

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A keypad assembly for a portable radiotelephone, comprising:
a printed circuit board having a plurality of metal domes;
a keypad rubber disposed on the printed circuit board and having bosses formed integrally on the positions corresponding to the plurality of metal domes;
a sensing means disposed on the keypad rubber;
a key button part disposed on the sensing means, the key button part integrating a keypad and a touch screen panel by having a plurality of key buttons being integrally formed with each other and being positioned such that top planar surfaces of the plurality of key buttons form a single, substantially planar touch screen panel with no spacing in between the top planar surfaces of adjacent keys among the plurality of key buttons, for functioning in one of a keypad mode and a touch screen panel mode;
a power supply unit supplying power to the keypad and cutting off power to the touch screen panel in the keypad mode; and
an input mode shift key shifting from one of the keypad mode and the touch screen panel mode to the other mode.

2. (Original) The keypad assembly for a portable radiotelephone according to claim 1, wherein the sensing means is a capacitive sensor.

3. (Original) The keypad assembly for a portable radiotelephone according to claim 1, wherein the key button part is a film sheet attached to the upper surface of the sensing means, the film sheet having a plurality of numeral keys printed thereon.

4. (Currently Amended) A portable radiotelephone comprising:
an input unit integrating a keypad and a touch screen panel by having a plurality of key buttons being integrally formed with each other and being positioned such that top planar surfaces of the plurality of key buttons form a single, substantially planar touch screen panel with no spacing in between the top planar surfaces of adjacent keys among the plurality of key buttons, for functioning

in one of a keypad mode and a touch screen panel mode;

a control unit for generating a control signal to operate the input unit exclusively as one of the touch screen panel and the keypad according to an input mode predetermined by a user;

an input mode shift key shifting the input unit from one of the keypad mode and the touch screen panel mode to the other mode; and

a power supply unit supplying power to the keypad and cutting off power to the touch screen panel in the keypad mode.

5. (Original) The portable radiotelephone according to claim 4, further comprising a character recognition unit for converting a coordinate value into a character code when the input unit functions as the touch screen panel, the coordinate value being produced from the input unit by a user's contacting an upper surface of the touch screen panel.

6. (Original) The portable radiotelephone according to claim 5, further comprising a display unit for displaying a character corresponding to the character code from the character recognition unit.

7. (Currently Amended) A method of inputting data to a portable radiotelephone in one of a keypad input mode and a touch screen panel input mode, the portable radiotelephone having a keypad physically integrating a touch screen panel, comprising the steps of:

provisioning the keypad with a plurality of key buttons being integrally formed with each other and being positioned such that top planar surfaces of the plurality of key buttons form a single, substantially planar touch screen panel with no spacing in between the top planar surfaces of adjacent keys among the plurality of key buttons;

setting the portable radiotelephone initially in the keypad input mode and supplying power to the keypad and cutting off power to the touch screen panel;

determining whether or not an input mode shift key is inputted, the input mode shift key shifting from one of the keypad input mode and the touch screen panel input mode to the other mode;

shifting input mode from the keypad input mode to the touch screen input mode when the input mode shift key is inputted; and

cutting off a driving power supplied to the keypad, and supplying the driving power to the touch screen panel.

8. (Previously Presented) The method according to claim 7, further comprising the steps of:
determining whether or not the input mode shift key is inputted;
shifting the input mode from the touch screen input mode to the keypad input mode when the input mode shift key is inputted; and
cutting off the driving power supplied to the touch screen panel, and supplying the driving power to the keypad.